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(FILE 'USPAT' ENTERED AT 10:35:00 ON 30 APR 1997)

L1 3195 S MATCH AND DATABASE
L2 34794 S SPEECH? OR VOICE?
L3 8585 S DIGITAL? (5A) WAVE?
L4 1341 S L2 AND L3
L5 333 S L2 (50A) L3
L6 204726 S SEGMENT?
L7 120 S L5 AND L6
L8 118481 S PHONEM? OR PHENOM?
L9 39 S L7 AND L8

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1. 5,619,503, Apr. 8, 1997, Cellular/satellite communications system with improved frequency re-use; Paul W. Dent, 370/330, 335, 337; 375/296; 455/50.1, 63 [IMAGE AVAILABLE]
2. 5,617,507, Apr. 1, 1997, Speech **segment** coding and pitch control methods for speech synthesis systems; Chong R. Lee, et al., 395/2.09, 2.91, 2.94 [IMAGE AVAILABLE]
3. 5,613,056, Mar. 18, 1997, Advanced tools for speech synchronized animation; Elon Gasper, et al., 395/173, 2.85, 806 [IMAGE AVAILABLE]
4. 5,594,941, Jan. 14, 1997, A cellular/satellite communications system with generation of a plurality of sets of intersecting antenna beams; Paul W. Dent, 455/13.4, 13.3, 20, 33.4, 54.1 [IMAGE AVAILABLE]
5. 5,555,257, Sep. 10, 1996, Cellular/satellite communications system with improved frequency re-use; Paul W. Dent, 370/319; 342/352; 370/329; 379/58; 455/13.3, 54.1, 63 [IMAGE AVAILABLE]
6. 5,528,726, Jun. 18, 1996, **Digital** **waveguide** **speech** synthesis system and method; Perry R. Cook, 395/2.7, 2.76 [IMAGE AVAILABLE]
7. 5,490,234, Feb. 6, 1996, Waveform blending technique for text-to-speech system; Shankar Narayan, 395/2.69, 2.74, 2.77 [IMAGE AVAILABLE]
8. 5,463,715, Oct. 31, 1995, Method and apparatus for speech generation from phonetic codes; Richard T. Gagnon, 395/2.76, 2.67 [IMAGE AVAILABLE]
9. 5,448,680, Sep. 5, 1995, Voice communication processing system; George S. Kang, et al., 395/2.34, 2, 2.09 [IMAGE AVAILABLE]
10. 5,428,707, Jun. 27, 1995, Apparatus and methods for training speech

recognition systems and their users and otherwise improving speech recognition performance; Joel M. Gould, et al., 395/2.4, 2.6, 2.64 [IMAGE AVAILABLE]

11. 5,400,434, Mar. 21, 1995, Voice source for synthetic speech system; Steve Pearson, 395/2.73, 2.76, 2.77 [IMAGE AVAILABLE]

12. 5,384,893, Jan. 24, 1995, Method and apparatus for speech synthesis based on prosodic analysis; Sandra E. Hutchins, 395/2.76, 2.67 [IMAGE AVAILABLE]

13. 5,327,518, Jul. 5, 1994, Audio analysis/synthesis system; E. Bryan George, et al., 395/2.2, 2.7 [IMAGE AVAILABLE]

14. 5,231,484, Jul. 27, 1993, Motion video compression system with adaptive bit allocation and quantization; Cesar A. Gonzales, et al., 348/405, 407, 469, 700 [IMAGE AVAILABLE]

15. 5,220,629, Jun. 15, 1993, Speech synthesis apparatus and method; Tetsuo Kosaka, et al., 395/2.69 [IMAGE AVAILABLE]

16. 5,153,913, Oct. 6, 1992, Generating speech from digitally stored coarticulated speech **segments**; Edward M. Kandefer, et al., 395/2.69 [IMAGE AVAILABLE]

17. 5,111,505, May 5, 1992, System and method for reducing distortion in voice synthesis through improved interpolation; Atsunori Kitoh, et al., 395/2.74 [IMAGE AVAILABLE]

18. 5,091,948, Feb. 25, 1992, Speaker recognition with glottal pulse-shapes; Jun Kametani, 395/2.57 [IMAGE AVAILABLE]

19. 4,937,869, Jun. 26, 1990, **Phonemic** classification in speech recognition system having accelerated response time; Hiroyuki Iwahashi, et al., 395/2.63 [IMAGE AVAILABLE]

20. 4,888,806, Dec. 19, 1989, Computer speech system; Keith R. Jenkin, et al., 381/85; 395/2, 2.1 [IMAGE AVAILABLE]

21. 4,852,168, Jul. 25, 1989, Compression of stored waveforms for artificial speech; Richard P. Sprague, 395/2.2; 341/59, 65; 395/2.69 [IMAGE AVAILABLE]

22. 4,852,166, Jul. 25, 1989, Analogue scrambling system with dynamic band permutation; Jacques L. R. Masson, 380/36, 33, 40, 41, 43, 46, 48 [IMAGE AVAILABLE]

23. 4,833,718, May 23, 1989, Compression of stored waveforms for artificial speech; Richard P. Sprague, 395/2.38, 2.21, 2.69 [IMAGE AVAILABLE]
24. 4,813,040, Mar. 14, 1989, Method and apparatus for transmitting digital data and real-time digitalized voice information over a communications channel; Steven P. Futato, 370/528, 477 [IMAGE AVAILABLE]
25. 4,783,807, Nov. 8, 1988, System and method for sound recognition with feature selection synchronized to voice pitch; John Marley, 395/2.44, 2.43, 2.62, 2.63 [IMAGE AVAILABLE]
26. 4,763,278, Aug. 9, 1988, Speaker-independent word recognizer; Periagaram K. Rajasekaran, et al., 395/2.6, 2.47, 2.5, 2.52, 2.62 [IMAGE AVAILABLE]
27. 4,712,242, Dec. 8, 1987, Speaker-independent word recognizer; Periagaram K. Rajasekaran, et al., 395/2.62, 2.5 [IMAGE AVAILABLE]
28. 4,707,857, Nov. 17, 1987, Voice command recognition system having compact significant feature data; John Marley, et al., 395/2.52, 2 [IMAGE AVAILABLE]
29. 4,692,941, Sep. 8, 1987, Real-time text-to-speech conversion system; Richard P. Jacks, et al., 395/2.69 [IMAGE AVAILABLE]
30. 4,685,135, Aug. 4, 1987, Text-to-speech synthesis system; Kun-Shan Lin, et al., 395/2.69 [IMAGE AVAILABLE]
31. 4,622,877, Nov. 18, 1986, Independently controlled wavetable-modification instrument and method for generating musical sound; Alexander R. Strong, 84/604, 622; 984/392, DIG.1 [IMAGE AVAILABLE]
32. 4,577,343, Mar. 18, 1986, Sound synthesizer; Toshio Oura, 395/2.67, 2.76 [IMAGE AVAILABLE]
33. 4,476,536, Oct. 9, 1984, Digital sine wave synthesizing method and apparatus; Gardner D. Jones, Jr., 364/721, 607 [IMAGE AVAILABLE]
34. 4,458,110, Jul. 3, 1984, Storage element for speech synthesizer; Forrest S. Mozer, 395/2.2; 367/198; 395/2.76 [IMAGE AVAILABLE]
35. 4,398,059, Aug. 9, 1983, Speech producing system; Kun-Shan Lin, et al., 395/2.76, 2.74, 2.77 [IMAGE AVAILABLE]
36. 4,284,846, Aug. 18, 1981, System and method for sound recognition;

John Marley, 395/2.62, 2.45 [IMAGE AVAILABLE]

37. 4,264,783, Apr. 28, 1981, Digital speech synthesizer having an analog delay line vocal tract; Richard T. Gagnon, 395/2.7, 2.76 [IMAGE AVAILABLE]

38. 4,214,125, Jul. 22, 1980, Method and apparatus for speech synthesizing; Forrest S. Mozer, et al., 395/2.77, 2.16 [IMAGE AVAILABLE]

39. 4,181,813, Jan. 1, 1980, System and method for speech recognition; John Marley, 395/2.6; 379/52, 444 [IMAGE AVAILABLE]

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